

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:**

Andreas et al.

**Serial No.:** Not Yet Assigned

**Filed:** August 21, 2003

**For:** WAFER CLEANING METHOD AND  
RESULTING WAFER

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** 2269-5663US  
(02-1325.00/US)

NOTICE OF EXPRESS MAILING

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Person making Deposit: Chris Haughton

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in

**Serial No. «Patent Application No»**

37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

**U.S. Patent Documents**

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 5,271,798	12/21/1993	Sandhu et al.
US - 5,711,818	01/27/1998	Jain
US - 5,789,505	08/04/1998	Wilkinson et al.
US - 6,024,106	02/15/2000	Yang et al.
US - 6,057,248	05/02/2000	Wu et al.
US - 6,099,662	08/08/2000	Wang et al.
US - 6,152,148	11/28/2000	George et al.
US - 6,194,366 B1	02/27/2001	Naghshineh et al.
US - 6,265,781 B1	07/24/2001	Andreas
US - 2001/0023127 A1	09/20/2001	Andreas
US - 6,387,812 B1	05/14/2002	Andreas
US - 6,431,185 B1	08/13/2002	Tomita et al.
US - 6,447,634 B1	09/10/2002	Zahorik et al.
US - 6,465,403 B1	10/15/2002	Skee
US - 6,468,951 B1	10/22/2002	Grieger et al.
US - 6,498,131 B1	12/24/2002	Small et al.

**Foreign Patent Documents**

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
EP 1 065 708 A2	01/03/2001	Hackenberg
WO 02/13242 A2	02/14/2002	Small et al.
WO 02/086959 A2	10/31/2002	Andreas
WO 03/006598 A1	01/23/2003	Hsu

**Serial No. «Patent Application No»**

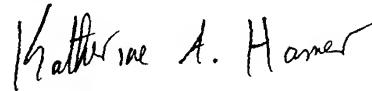
Other Documents

Statement of Material Information, 1 page.

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



Katherine A. Hamer  
Registration No. 47,628  
Attorney for Applicants  
TRASKBRITT  
P.O. Box 2550  
Salt Lake City, Utah 84110-2550  
Telephone: 801-532-1922

Date: August 21, 2003

KH/dlm:ljb

Enclosures: Form PTO-1449 or PTO/SB/08

Cited Documents

Document in ProLaw

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	Not Yet Assigned
				Filing Date	August 21, 2003
				First Named Inventor	Andreas et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	2269-5663US (02-1325.00/US)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-5,271,798	12/21/1993	Sandhu et al.	
		US- 5,711,818	01/27/1998	Jain	
		US- 5,789,505	08/04/1998	Wilkinson et al.	
		US- 6,024,106	02/15/2000	Yang et al.	
		US- 6,057,248	05/02/2000	Wu et al.	
		US- 6,099,662	08/08/2000	Wang et al.	
		US- 6,152,148	11/28/2000	George et al.	
		US- 6,194,366 B1	02/27/2001	Naghshineh et al.	
		US- 6,265,781 B1	07/24/2001	Andreas	
		US- 2001/0023127 A1	09/20/2001	Andreas	
		US- 6,387,812 B1	05/14/2002	Andreas	
		US- 6,431,185 B1	08/13/2002	Tomita et al.	
		US- 6,447,634 B1	09/10/2002	Zahorik et al.	
		US- 6,465,403 B1	10/15/2002	Skee	
		US- 6,468,951 B1	10/22/2002	Grieger et al.	
		US- 6,498,131 B1	12/24/2002	Small et al.	
		US-			

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		Filing Date	August 21, 2003
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		Group Art Unit	Unknown
		Examiner Name	Unknown
Sheet	2	of	2
		Attorney Docket Number	

#### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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**'EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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Statement of Material Information

It has come to the inventors' attention that Applied Materials is testing a proprietary ammonia/surfactant composition in a megasonic module of its MESA™ cleaner. This composition has shown some efficacy in cleaning registration marks having a trench width of 2.8 µm. By disclosing this information, applicants are not acknowledging this as prior art. Furthermore, since the composition is proprietary, the inventors are not aware of the components in the composition.